AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-21. (Canceled)

22. (New): A method of inhibiting human chymase activity to treat or prevent a bone/cartilage metabolic disease in human beings, said method comprising administering to a subject an effective amount of a benzimidazole derivative expressed by the following formula

(1) or its pharmaceutically permissible salt,

[in the formula (1), the ring marked with A expresses a benzene ring;

X¹ and X² are each at the same time or independently a hydrogen atom, a halogen atom, a trihalomethyl group, a hydroxyl group, a nitro group, a cyano group, -CH₂NH₂, -CH=NR¹, -CH=NOR¹ or -CONR¹R² (here, R¹ and R² are each a hydrogen atom or a C₁₋₄ alkyl group), -COOR³ (here, R³ is a hydrogen atom or a C₁₋₄ alkyl group), a substituted or unsubstituted C₁₋₆ normal, cyclic or branched alkyl group, a substituted or unsubstituted C₃₋₇ cycloalkyl group, a substituted or unsubstituted or unsubstituted C₁₋₆ normal or branched alkoxyl group, a substituted or unsubstituted C₁₋₆ normal or branched alkylthio group, a substituted or unsubstituted C₁₋₆ normal or branched

alkylsulfonyl group or a substituted or unsubstituted C_{1-6} normal or branched alkylsulfinyl group {the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, an acyl group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group or a phenoxy group optionally substituted with one or more halogen atoms, and the substituent may substitute singly or plurally independently at arbitrary position(s)};

B is a substituted or unsubstituted C₁₋₆ normal, cyclic or branched alkylene group or a substituted or unsubstituted C₂₋₆ normal or branched alkenylene group {the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, a C₁₋₆ normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a C₁₋₆ normal or branched alkylthio group, a C₁₋₆ normal or branched alkylsulfonyl group, a C₁₋₆ normal or branched acyl group, a C₁₋₆ normal or branched acylamino group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group or a phenoxy group optionally substituted with one or more halogen atoms, and the substituent may substitute singly or plurally independently at arbitrary position(s) of the alkylene group or an alkenylene group; between atoms, the alkylene group or alkenylene group optionally contains one or more of -O-, -S-, -SO₂- or -NR⁴-, but this atom or atomic group does not bond directly to the M, and here R⁴ is a hydrogen atom or a C₁₋₆ normal or branched alkyl group};

E expresses -COOR⁴;

G is a substituted or unsubstituted C_{1-6} normal or branched alkylene group {between atoms, the alkylene group optionally contains one or more of -O-, -S-, -SO₂- or -NR⁴-, but this atom or atomic group does not bond directly to the nitrogen atom of the imidazole ring (R⁴ is similarly defined as above), and the substituent is a halogen atom, a hydroxyl group, a nitro group, a cyano group, a C_{1-6} normal or branched alkoxyl group (including the case where

adjacent two groups form an acetal bonding), a trihalomethyl group, a trihalomethoxy group, a phenyl group or an oxo group};

J is a substituted or unsubstituted C₄₋₁₀ aryl group {the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, -COOR⁷ (here, R⁷ is a hydrogen atom or a C₁₋₄ alkyl group), a C₁₋₆ normal, cyclic or branched alkyl group, a C₁₋₆ normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a C₁₋₆ normal or branched alkylthio group, a C₁₋₆ normal or branched alkylsulfonyl group, a C₁₋₆ normal or branched alkylsulfinyl group, a C₁₋₆ acyl group, a C₁₋₆ normal or branched acylamino group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group, or a phenoxy group optionally substituted with one or more halogen atoms; the substituent may substitute is further optionally substituted with a halogen atom, a hydroxyl group, a nitro group, a cyano group, an acyl group, a trihalomethyl group, a phenyl group, an oxo group or a phenoxy group optionally substituted with a halogen atom}; and

M is a sulfur atom, a sulfinyl group, or a sulfonyl group].

23. (New): The method set forth in Claim 22 wherein X^1 and X^2 in the above formula (1) are each at the same time or independently a hydrogen atom, a halogen atom, a trihalomethyl group, a cyano group, a substituted or unsubstituted C_{1-3} normal or branched alkyl group, a substituted or unsubstituted C_{1-3} normal or branched alkylthio group.

24. (New): The method set forth in Claim 22 wherein J in formula (1) is a group described in the following formula (2) or (3),

$$X_3$$
 (2) X_5 (3)

[here, X^3 , X^4 and X^5 are each at the same time or independently a hydrogen atom, a halogen atom, a hydroxyl group, a nitro group, a cyano group, a trihalomethyl group, a trihalomethoxy group, -COOR⁷ (here, R^7 is a hydrogen atom or a C_{1-4} alkyl group), a substituted or unsubstituted C_{1-3} normal or branched alkyl group, a substituted or unsubstituted C_{1-3} normal or branched alkoxyl group, a substituted or unsubstituted C_{1-3} normal or branched alkylthio group, a substituted or unsubstituted C_{1-3} normal or branched alkylsulfonyl group, or a substituted or unsubstituted C_{1-3} normal or branched alkylsulfinyl group; there is no limitation regarding the substitution positions of X^3 , X^4 and X^5 on the benzene ring or the naphthalene ring].

- 25. (New): The method set forth in Claim 22 wherein M is a sulfur atom.
- **26.** (New): The method set forth in Claim 22 wherein B is a substituted or unsubstituted C_{1-6} normal, cyclic or branched alkylene group.
- 27. (New): The method set forth in Claim 22 wherein G is -CH₂-, -CH₂CH₂-, -CH₂CH₂-, -CH₂CO-, -CH₂CO-, -CH₂CONH-, -CO-, -SO₂-, -CH₂SO₂-, -CH₂S- or -CH₂CH₂S- (J bonds to the right side of said group).
 - 28. (New): The method set forth in Claim 22 wherein E is -COOH.

29. (New): A benzimidazole derivative expressed by the following formula (1) or its pharmaceutically permissible salt,

$$X^1$$
 A
 N
 $M-B-E$
 X^2
 G
 G

[in the formula (1), the ring marked with A expresses a benzene ring;

X¹ and X² are each at the same time or independently a hydrogen atom, a halogen atom, a trihalomethyl group, a hydroxyl group, a nitro group, a cyano group, -CH₂NH₂, -CH=NR¹, -CH=NOR¹ or -CONR¹R² (here, R¹ and R² are each a hydrogen atom or a C₁₋₄ alkyl group), -COOR³ (here, R³ is a hydrogen atom or a C₁₋₄ alkyl group), a substituted or unsubstituted C₁₋₆ normal, cyclic or branched alkyl group, a substituted or unsubstituted alkylthio group, a substituted or unsubstituted C₁₋₆ normal or branched alkylthio group, a substituted or unsubstituted C₁₋₆ normal or branched alkylsulfonyl group or a substituted or unsubstituted C₁₋₆ normal or branched alkylsulfinyl group (the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, an acyl group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group or a phenoxy group optionally substituted with one or more halogen atoms, and the substituent may substitute singly or plurally independently at arbitrary position(s));

B is a substituted or unsubstituted C_{1-6} normal, cyclic or branched alkylene group or a substituted or unsubstituted C_{2-6} normal or branched alkenylene group {the substituent

permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, a C_{1-6} normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a C_{1-6} normal or branched alkylthio group, a C_{1-6} normal or branched alkylsulfonyl group, a C_{1-6} normal or branched acyl group, a C_{1-6} normal or branched acylamino group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group or a phenoxy group optionally substituted with one or more halogen atoms, and the substituent may substitute singly or plurally independently at arbitrary position(s) of the alkylene group or an alkenylene group; between atoms, the alkylene group or alkenylene group optionally contains one or more of -O-, -S- or -SO₂-, but this atom or atomic group does not bond directly to the M, and here R^4 is a hydrogen atom or a C_{1-6} normal or branched alkyl group};

E expresses -COOR⁴;

G is a substituted or unsubstituted C_{1-6} normal or branched alkylene group {between atoms, the alkylene group optionally contains one or more of -O-, -S-, -SO₂- or -NR⁴-, but this atom or atomic group does not bond directly to the nitrogen atom of the imidazole ring (R⁴ is similarly defined as above), and the substituent is a halogen atom, a hydroxyl group, a nitro group, a cyano group, a C_{1-6} normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a trihalomethyl group, a trihalomethoxy group, a phenyl group or an oxo group};

J is a substituted or unsubstituted C_{4-10} aryl group {the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, -COOR⁷ (here, R⁷ is a hydrogen atom or a C_{1-4} alkyl group), a C_{1-6} normal, cyclic or branched alkyl group, a C_{1-6} normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a C_{1-6} normal or branched alkylthio group, a C_{1-6} normal or branched alkylsulfonyl

group, a C₁₋₆ normal or branched alkylsulfinyl group, a C₁₋₆ acyl group, a C₁₋₆ normal or branched acylamino group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group, or a phenoxy group optionally substituted with one or more halogen atoms; the substituent may substitute singly or plurally independently at arbitrary position(s) of the aryl group; and the substituent is further optionally substituted with a halogen atom, a hydroxyl group, a nitro group, a cyano group, an acyl group, a trihalomethyl group, a phenyl group, an oxo group or a phenoxy group optionally substituted with a halogen atom}; and

M is a sulfinyl group, or a sulfonyl group].

- 30. (New): The benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 wherein X^1 and X^2 in the above formula (1) are each at the same time or independently a hydrogen atom, a halogen atom, a trihalomethyl group, a cyano group, a substituted or unsubstituted C_{1-3} normal or branched alkyl group, a substituted or unsubstituted C_{1-3} normal or branched alkoxyl group, or a substituted or unsubstituted C_{1-3} normal or branched alkylthio group.
- 31. (New): A benzimidazole derivative expressed by the following formula (4) or its pharmaceutically permissible salt,

$$X^1$$
 A
 N
 $M-B-E$
 X^2
 G
 G

[in the formula (4), the ring marked with A expresses a benzene ring;

X¹ and X² are each at the same time or independently a hydrogen atom, a halogen atom, a trihalomethyl group, a hydroxyl group, a nitro group, a cyano group, -CH₂NH₂, -CH=NR¹, -CH=NOR¹ or -CONR¹R² (here, R¹ and R² are each a hydrogen atom or a C₁₋₄ alkyl group), -COOR³ (here, R³ is a hydrogen atom or a C₁₋₄ alkyl group), a substituted or unsubstituted C₁₋₆ normal, cyclic or branched alkyl group, a substituted or unsubstituted C₁₋₆ normal or branched alkylthio group, a substituted or unsubstituted C₁₋₆ normal or branched alkylsulfonyl group or a substituted or unsubstituted C₁₋₆ normal or branched alkylsulfinyl group (the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, an acyl group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group or a phenoxy group optionally substituted with one or more halogen atoms, and the substituent may substitute singly or plurally independently at arbitrary position(s)};

B is a substituted or unsubstituted C₁₋₆ normal, cyclic or branched alkylene group or a substituted or unsubstituted C₂₋₆ normal or branched alkenylene group {the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, a C₁₋₆ normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a C₁₋₆ normal or branched alkylthio group, a C₁₋₆ normal or branched alkylsulfonyl group, a C₁₋₆ normal or branched acyl group, a C₁₋₆ normal or branched acylamino group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group or a phenoxy group optionally substituted with one or more halogen atoms, and the substituent may substitute singly or plurally independently at arbitrary position(s) of the alkylene group or an alkenylene group; between atoms, the alkylene group or alkenylene group optionally contains

one or more of -O-, -S- or -SO₂-, but this atom or atomic group does not bond directly to the M, and here R^4 is a hydrogen atom or a C_{1-6} normal or branched alkyl group};

E expresses -COOR⁴;

G is a substituted or unsubstituted C_{1-6} normal or branched alkylene group {between atoms, the alkylene group optionally contains one or more of -O-, -S-, -SO₂- or -NR⁴-, but this atom or atomic group does not bond directly to the nitrogen atom of the imidazole ring (R⁴ is similarly defined as above), and the substituent is a halogen atom, a hydroxyl group, a nitro group, a cyano group, a C_{1-6} normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a trihalomethyl group, a trihalomethoxy group, a phenyl group or an oxo group};

J is a substituted or unsubstituted C₄₋₁₀ aryl group {the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, -COOR⁷ (here, R⁷ is a hydrogen atom or a C₁₋₄ alkyl group), a C₁₋₆ normal, cyclic or branched alkyl group, a C₁₋₆ normal or branched alkoxyl group (including the case where adjacent two groups form an acetal bonding), a C₁₋₆ normal or branched alkylthio group, a C₁₋₆ normal or branched alkylsulfonyl group, a C₁₋₆ normal or branched alkylsulfinyl group, a C₁₋₆ acyl group, a C₁₋₆ normal or branched acylamino group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group, or a phenoxy group optionally substituted with one or more halogen atoms; the substituent may substitute singly or plurally independently at arbitrary position(s) of the aryl group; and the substituent is further optionally substituted with a halogen atom, a hydroxyl group, a nitro group, a cyano group, an acyl group, a trihalomethyl group, a phenyl group, an oxo group or a phenoxy group optionally substituted with a halogen atom); and

M is a sulfur atom, a sulfinyl group, or sulfonyl group;

provided that the case is excluded where at least one of X^1 and X^2 is a cyano group, $-CH_2NH_2$, $-CH=NR^1$, $-CH=NOR^1$ or $-CONR^1R^2$ (here, R^1 and R^2 are each a hydrogen atom or a C_{1-4} alkyl group), and J expresses only a substituted naphthalene ring.

- 32. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 or 31 wherein X^1 and X^2 are each a hydrogen atom, a cyano group, -CH₂NH₂, -CH=NR¹, -CH=NOR¹ or -CONR¹R² (here, R¹ and R² are each a hydrogen atom or a C₁₋₄ alkyl group; X^1 and X^2 are not hydrogen at the same time).
- (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 or 31 wherein X¹ and X² are each at the same time or independently a hydrogen atom, a halogen atom, a trihalomethyl group, a hydroxyl group, a nitro group, -COOR³ (here, R³ is a hydrogen atom or a C₁₋₄ alkyl group), a substituted or unsubstituted C₁₋₆ normal, cyclic or branched alkyl group, a substituted or unsubstituted C₁₋₆ normal or branched alkoxyl group, a substituted or unsubstituted C₁₋₆ normal or branched alkylthio group, a substituted or unsubstituted C₁₋₆ normal or branched alkylthio group, a substituted or unsubstituted C₁₋₆ normal or branched alkylsulfonyl group or a substituted or unsubstituted C₁₋₆ normal or branched alkylsulfinyl group {the substituent permissible to the groups is a halogen atom, a hydroxyl group, a nitro group, a cyano group, an acyl group, a trihalomethyl group, a trihalomethoxy group, a phenyl group, an oxo group or a phenoxy group optionally substituted with one or more halogen atoms, and the substituent may substitute singly or plurally independently at arbitrary position(s)}.
- 34. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 or 31 wherein X^1 and X^2 are each a hydrogen atom or a cyano group (here, X^1 and X^2 can not be hydrogen atoms at the same time).

- 35. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 31 wherein M is a sulfur atom.
- 36. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 or 31 wherein B is a substituted or unsubstituted C_{1-6} normal, cyclic or branched alkylene group.
- 37. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 or 31 wherein J is a group expressed by the following formula (2) or (3),

$$X_3$$
 (2) X_5 X_4 (3)

[here, X^3 , X^4 and X^5 are each at the same time or independently a hydrogen atom, a halogen atom, a hydroxyl group, a nitro group, a cyano group, a trihalomethyl group, a trihalomethoxy group, -COOR⁷ (here, R^7 is a hydrogen atom or a C_{1-4} alkyl group), a substituted or unsubstituted C_{1-3} normal or branched alkyl group, a substituted or unsubstituted C_{1-3} normal or branched alkoxyl group, a substituted or unsubstituted C_{1-3} normal or branched alkylthio group, a substituted or unsubstituted C_{1-3} normal or branched alkylsulfonyl group, or a substituted or unsubstituted C_{1-3} normal or branched alkylsulfinyl group; there is no limitation regarding the substitution positions of X^3 , X^4 and X^5 on the benzene ring or the naphthalene ring].

38. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 or 31 wherein G is -CH₂-, -CH₂CH₂-, -CH₂CO-, -CH₂CH₂O-, -CH₂CONH-, -CO-, -SO₂-, -CH₂SO₂-, -CH₂S- or -CH₂CH₂S- (J bonds to the right side of said group).

- 39. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 29 or 31 wherein E is -COOH.
- 40. (New): A pharmaceutical composition consisting of a benzimidazole derivative and/or its pharmaceutically permissible salt set forth in any one of Claims 29, 30 or 31, and a pharmaceutically permissible carrier.
- 41. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in any one of Claims 29, 30 or 31 to prevent or treat an inflammatory disease, an allergy disease, a respiratory disease, a cardiovascular disease or a bone/cartilage metabolic disease.
- 42. (New): A benzimidazole derivative or its pharmaceutically permissible salt set forth in Claim 41 to prevent or treat a disease in human beings.